

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A pulley support double row ball bearing comprising:

an outer ring having an outer diameter of 65 mm or less and a double row raceway formed on an inner circumferential surface thereof;

an inner ring having a double row raceway formed on an outer circumferential surface thereof;

a plurality of balls each 4 mm or less in diameter, and each retained by a retainer between the outer and inner raceways such that they roll freely; and

seal rings that seal openings on both ends of an internal space between the inner circumferential surface of the outer ring and the outer circumferential surface of the inner ring where the plurality of balls are disposed;

wherein an axial width of the bearing does not exceed 45% of an inner diameter of the inner ring, and by fitting the inner ring around a support member and fitting the outer ring inside a pulley, the pulley is supported such that it rotates freely around the support member;

and wherein a portion of each seal ring near an inner circumference thereof and a corresponding axial end surface of the inner ring overlap when viewed from the axial direction, so that a width in a radial direction of an overlap section is ~~at least~~between 25% and 80% of a diameter of one of the plurality of balls;

and wherein each seal ring includes a plurality of protrusions formed circumferentially on an inside surface at a portion near an inner circumference of the seal ring such that a tip edge of at least one of the plurality of protrusions comes in sliding contact with the corresponding axial end surface of the inner ring.

2. (currently amended) A pulley support double row ball bearing comprising:

an outer ring having an outer diameter of 65 mm or less and a double row raceway formed on an inner circumferential surface thereof;

an inner ring having a double row raceway formed on an outer circumferential surface thereof;

a plurality of balls each 4 mm or less in diameter, and each retained by a retainer between the outer and inner raceways such that they roll freely; and

seal rings that seal openings on both ends of an internal space between the inner circumferential surface of the outer ring and the outer circumferential surface of the inner ring where the plurality of balls are disposed;

wherein an axial width of the bearing does not exceed 45% of an inner diameter of the inner ring, and by fitting the inner ring around a support member and fitting the outer ring inside a pulley, the pulley is supported such that it rotates freely around the support member;

and wherein a portion of each seal ring near an inner circumference thereof and a corresponding axial end surface of the inner ring overlap when viewed from the axial direction, so that a width in a radial direction of an overlap section is ~~at least~~ between 25% and 80% of a diameter of one of the plurality of balls;

and wherein each seal ring includes one or more protrusions formed circumferentially on an inside surface at a portion near an inner circumference such that a tip edge of at least one of the protrusions comes in sliding contact with a part of the surface of the inner ring all the way around the circumference;

and wherein each seal ring includes portions not in sliding contact with the inner ring near the inner circumference of the respective seal rings, said portions

disposed close to and facing a portion of the surface of the inner ring not in sliding contact with the protrusions, so that labyrinth seals are formed.

3. (currently amended) A pulley support double row ball bearing comprising:

an outer ring having an outer diameter of 65 mm or less and a double row raceway formed on an inner circumferential surface thereof;

an inner ring having a double row raceway formed on an outer circumferential surface thereof;

a plurality of balls each 4 mm or less in diameter, and each retained by a retainer between the outer and inner raceways such that they roll freely; and

seal rings that seal openings on both ends of an internal space between the inner circumferential surface of the outer ring and the outer circumferential surface of the inner ring where the plurality of balls are disposed;

wherein an axial width of the bearing does not exceed 45% of an inner diameter of the inner ring, and by fitting the inner ring around a support member and fitting the outer ring inside a pulley, the pulley is supported such that it rotates freely around the support member;

and wherein each seal ring comprises an elastic material having a Shore hardness of 60 to 80 and reinforced by a metal core, and the width in a radial direction of a deformed section of the elastic material that protrudes inward in the radial direction from an inner edge of the metal core is 40% or more than the diameter of one of the plurality of balls, and a thickness of a thinnest area of the deformed section, which is located in a middle in the radial direction of the deformed section, is between 0.4 mm ~~or more~~ and 0.6 mm.

4. (cancelled).

5. (currently amended) A pulley support double row ball bearing ~~comprising~~ described in Claim 1,  
~~an outer ring having an outer diameter of 65 mm or less~~  
~~and a double row raceway formed on an inner circumferential~~  
~~surface thereof;~~  
~~an inner ring having a double row raceway formed on an~~  
~~outer circumferential surface thereof;~~  
~~a plurality of balls each 4 mm or less in diameter, and~~  
~~each retained by a retainer between the outer and inner~~  
~~raceways such that they roll freely; and~~

~~seal rings that seal openings on both ends of an internal space between the inner circumferential surface of the outer ring and the outer circumferential surface of the inner ring where the plurality of balls are disposed;~~

~~wherein an axial width of the bearing does not exceed 45% of an inner diameter of the inner ring, and by fitting the inner ring around a support member and fitting the outer ring inside a pulley, the pulley is supported such that it rotates freely around the support member;~~

~~and wherein each seal ring comprises an elastic material reinforced by a metal core, and a position in an axial direction of a center of gravity of a deformed section of the elastic material that protrudes inward in a radial direction from an inner edge of the metal core is located more adjacent to a side where the tip edge of the seal ring and part of the surface of the inner ring come into sliding contact, than the position of the center of deformation of the deformed section.~~